Employee Management System

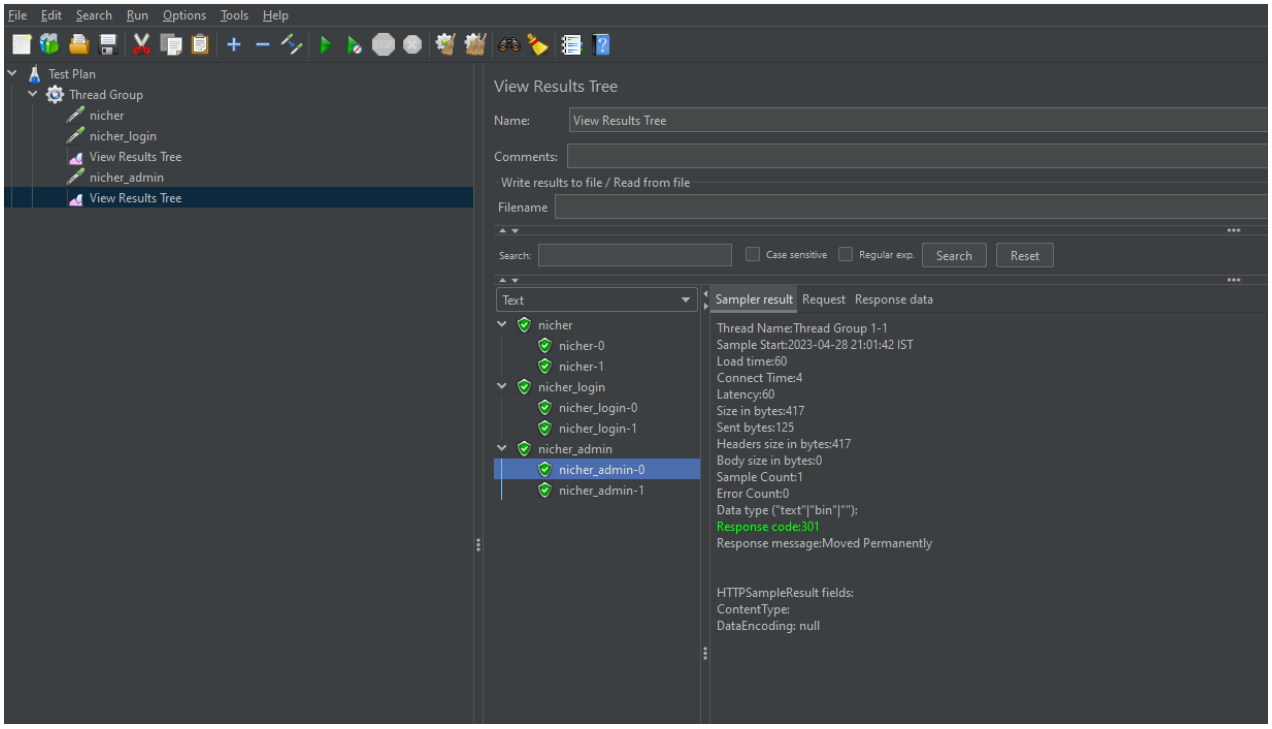
(Group 1)

Load Test or Performance Test Report

Performed performance or load tests on the web version of our app, which is deployed live.
Link: https://nicher-c9290.web.app

The test was conducted using the **Jmeter tool,** which is used to analyze the load-taking ability of our code.

This tool clones the action once performed by simulating 100s of users doing the same task simultaneously to understand the server's capacity.



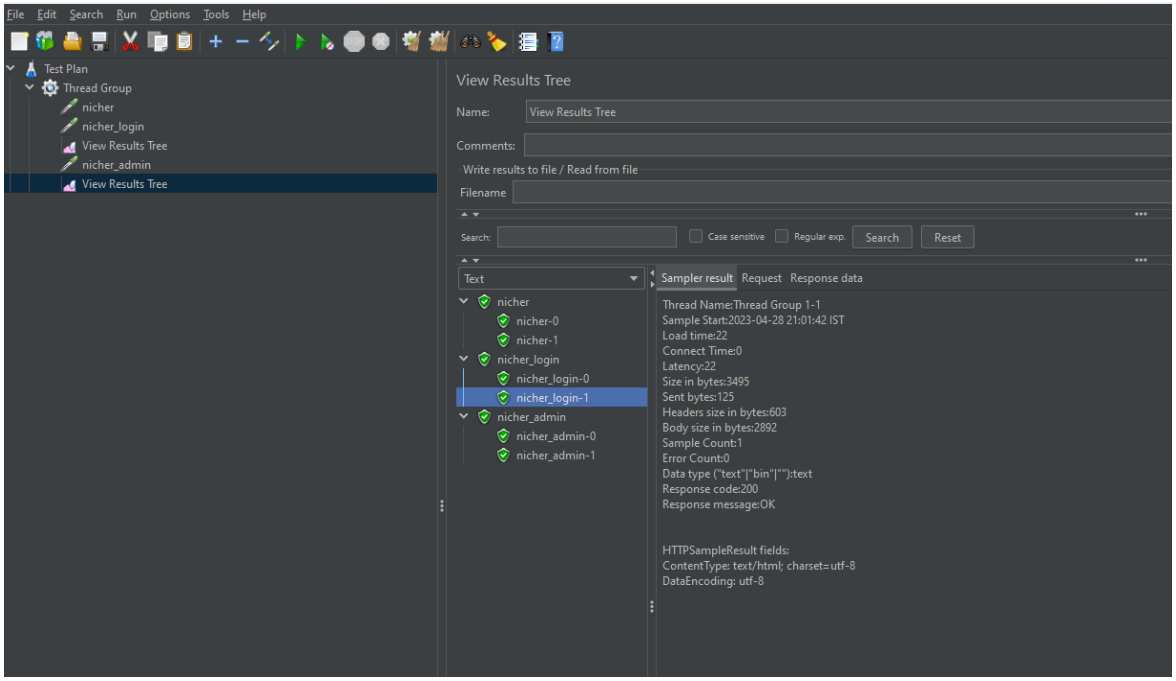
We performed testing in 3 rounds.
1st round was conducted by setting the number of users to 10 and setting them simultaneously to log in and use the app using the Jmeter automation.
2nd round had the number of users set to 100, followed by 3rd round, where the number of users was set to 1000.

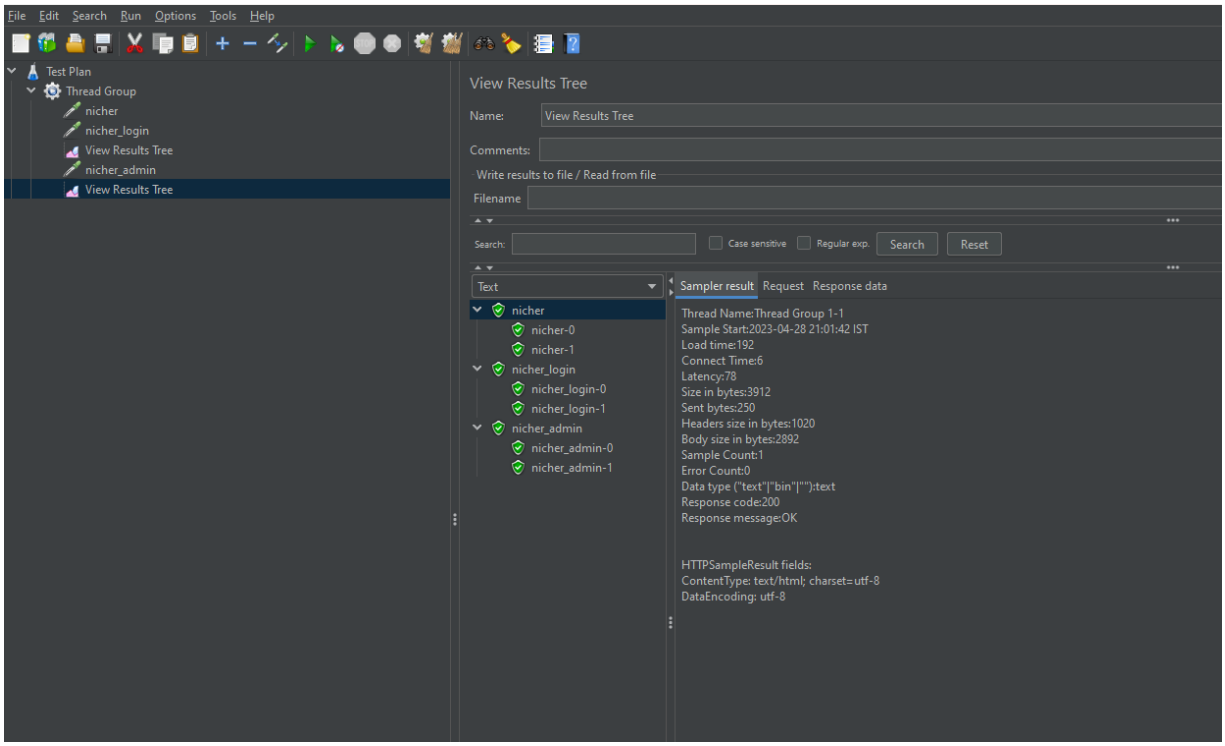
The app performed perfectly normal for 1st and 2nd rounds signifying at least 100 users could be served simultaneously using any functionality at any time.

The app performed a bit jittery for the 3rd round, where the number of users was set to 1000, and the loop value of repetition was set to 100. This signified the slowness due to server's free tier and bandwidth limitations.

Still, the app could perform the tasks thoroughly without any instance killing. This signifies the robustness of the app and its ability to serve thousands of multiple users simultaneously.

PFA the screenshots of the testing of our app **nicher.**




File Edit Search Run Options Tools Help
Test Plan
Thread Group
nicher
nicher_login
View Results Tree
nicher_admin
View Results Tree
View Results Tree
Name:
View Results Tree
Comments:
Write results to file / Read from file
Filename
Search:
Case sensitive
Regular exp.
Search
Reset
Text
nicher
nicher-0
nicher-1
nicher_login
nicher_login-0
nicher_login-1
nicher_admin
nicher_admin-0
nicher_admin-1
Sampler result
Request
Response data
Thread Name:Thread Group 1-1
Sample Start:2023-04-28 21:01:42 IST
Load time:192
Connect Time:6
Latency:78
Size in bytes:3912
Sent bytes:250
Headers size in bytes:1020
Body size in bytes:2892
Sample Count:1
Error Count:0
Data type ("text"|"bin"|""):text
Response code:200
Response message:OK
HTTPSampleResult fields:
ContentType: text/html; charset=utf-8
DataEncoding: utf-8